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Our File No. CAL01-001-CON-US



Paul E. Rauch, Ph.D.

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Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Nancy Allbritton, et al.

Serial No. 09/945,396

Filing Date: August 30, 2001

For Method and Apparatus for Detecting Enzymatic Activity Using Molecules that Change Electrophoretic Mobility

Examiner Deborah A. Davis

Group Art Unit No. 1641

INFORMATION DISCLOSURE STATEMENT

M.S. - RCE

Commissioner for Patents

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Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the references identified on the attached PTO-1449 form, required copies of which are enclosed herewith in accordance with 37 C.F.R. §1.98, be made during the course of examination of the above-referenced application for United States Letters Patent.

The Commissioner is hereby authorized to charge any fees associated with this communication not covered by check or credit card payment or credit any overpayment to Deposit Account No. 50-3123. A duplicate copy of this sheet is attached.

Respectfully submitted,

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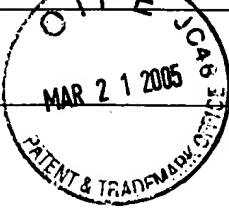
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| Form PTO-1449 (Rev. 8-88) | Attorney Docket No. CAL01-001-CON-US | Serial No. 09/945,396 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | Applicant: Allbritton, et al | |
| | Filing Date: August 30, 2001 | Group: 1641 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-----------------------|-----|-----------------|---------|--------------------|-------|----------|----------------------------------|
| | B1 | 5,728,687 | 03/1998 | Bissery | | | |
| | B2 | 20040161807-A1 | 08/2004 | Allbritton, et al. | | | |
| | B3 | 6,740,497 | 05/2004 | Allbritton, et al. | | | |
| | B4 | 4,469,098 | 09/1984 | Davi | | | |
| | B5 | 5,071,417 | 12/1991 | Sinofsky | | | |
| | B6 | 5,212,382 | 05/1993 | Sasaki, et al. | | | |
| | B7 | 5,359,615 | 10/1994 | Sasaki, et al. | | | |
| | B8 | 5,393,957 | 02/1995 | Misawa, et al. | | | |
| | B9 | 5,458,761 | 10/1995 | Kamahori, et al. | | | |
| | B10 | 5,498,324 | 03/1996 | Yeung, et al. | | | |
| | B11 | 5,505,831 | 04/1996 | Liao, et al. | | | |
| | B12 | 5,565,171 | 10/1996 | Dovich, et al. | | | |
| | B13 | 5,567,292 | 10/1996 | Madabhushi, et al. | | | |
| | B14 | 5,618,284 | 04/1997 | Zair | | | |
| | B15 | 5,627,643 | 05/1997 | Birnbaum, et al. | | | |
| | B16 | 5,679,536 | 10/1997 | Hayashi, et al. | | | |

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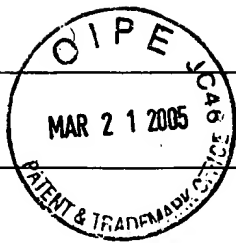
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----|-----------------|---------|---------|-------|----------|-------------|----|
| Examiner Initials* | | Document Number | Date | Country | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | B17 | WO01/07910 | 02/2001 | WO | | | | |
| | B18 | WO02/42732 | 05/2002 | WO | | | | |

| Examiner Initials* | | OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS | | | | | | |
|--------------------|-----|---|--|--|--|--|--|--|
| | | Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages | | | | | | |
| | B19 | Supplementary European Search Report for application no. 0094887.5 | | | | | | |
| | B20 | Supplementary European Search Report for application no. 02769700.2 | | | | | | |
| | B21 | Abstract - Allbritton, N., et al., "Measurement of Kinase Activation in Single Cells", Molecular Biology Of The Cell, vol. 9, no. Suppl., November 1998, page 230 A, XP008039958 & 38 th Annual Meeting of the American Society for Cell Biology; San Francisco, California, USA; December 12-16, 1998; ISSN: 1059-1524. | | | | | | |
| | B22 | Sims, C., et al., "Laser-Micropipet Combination for Single-Cell Analysis", Analytical Chemistry, American Chemical Society, Columbus, US, vol. 70, no. 21, November 1, 1998, pp. 4570-4577, XP002919395, ISSN: 0003-2700. | | | | | | |
| | B23 | Meredith, G., et al, "Measurement of Kinase Activation in Single Mammalian Cells", Nature Biotechnology, Nature Publishing, US, vol. 18, no. 3, March 2000, pp. 309-312, XP002290903, ISSN: 1087-0156. | | | | | | |
| | B24 | Lee, C., et al., "Localized Measurement of Kinase Activation in Oocytes of Xenopus Laevis", Nature Biotechnology, Nature Publishing, US, vol. 17, no. 8, August 1999, pp. 759-762, XP002185167, ISSN: 1087-0156 | | | | | | |
| | B25 | Maru, Y., "Molecular Biology of Chronic Myeloid Leukemia", International Journal of Hematology, vol. 73, no. 3, April 2001, pp. 308-322, XP008040048, ISSN: 0925-5710. | | | | | | |
| | B26 | Baruch, A., et al., "Enzyme Activity - It's All About Image", Trends in Cell Biology, vol. 14, no. 1, January 2004, pp. 29-35, XP002309365, ISSN: 0962-8924. | | | | | | |
| | B27 | Abstract - Kirkpatrick, et al., Energy Res. Abstracts vol. 4, No. 15, Abstr. No. 41711, 1979. | | | | | | |
| | B28 | Abstract - Theis, et al., Clinical Cardiology, vol. 6, No. 8, pp. 396-398, 1983. | | | | | | |
| | B29 | Abstract - Solgonick, et al., Journal of Endourology, vol. 7, No. 5, pp. 371-373, Oct. 1993. | | | | | | |
| | B30 | Abstract - Krasieva, et al., Proc. SPIE - Int. Soc. Opt. Eng., vol. 3260, pp. 38-44, 1998. | | | | | | |
| | B31 | Yang, Q., et al., "Trends in Capillary Electrophoresis: 1977", Journal of Chromatographic Science, vol. 35, pp. 358-372, Aug. 1997. | | | | | | |
| | B32 | Capillary Zone Electrophoresis with Electrochemical Detection in 12.7 um Diameter Columns, Anal. Chem. 1988, 60, Wallingford, et al., pp. 1972-1975. | | | | | | |
| | B33 | Capillary Electrophoresis in 2 and 5 um Diameter Capillaries: Application to Cytoplasmic Analysis, Anal. Chem, 1990, 62, Olefirowicz et al. pp. 1872-1876. | | | | | | |

| | |
|----------|-----------------|
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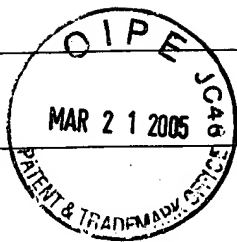
| | |
|-----|--|
| B34 | Microcolumn Separations and the Analysis of Single Cells, Articles, Kennedy et al., pp. 57-63, Oct. 6, 1989. |
| B35 | Monitoring single-cell pharmacokinetics by capillary electrophoresis, etc. Journal of Chromatography B, 689, 1997, Tong et al., pp. 321-325. |
| B36 | Discovery of endogenous catecholamines in lymphocytes and evidence for, etc. Proc. Natl. Acad. Sci, USA, Bergquist et al., pp. 12912-12916, Dec. 1994. |
| B37 | Kinetic Perfection in Enzymatic Catalysis: et al., Biochemistry textbook by Stryer, pp. 1995, March 1, 1995 |
| B38 | Inositol Trisphosphate and calcium signaling, Nature, vol. 361, 1993 Berridge, pp. 315-325. |
| B39 | A review of In Vitro Studies: Low-Frequency Electromagnetic Fields, American Industrial Hygiene Assoc., Cleary, 1993, pp. 178-185. |
| B40 | A critical review of the genotoxic potential of electric and magnetic fields, Mutation Research, 1993, McCann et al., pp. 61-95. |
| B41 | Formation and resealing of pores of controlled sizes in human erythrocyte membrane, Nature vol. 268, 1997, Kinoshita, JR et al., pp. 438-441. |
| B42 | Electroporation-Induced Formation of Individual Calcium Entry Sites et al. Biophysical Journal vol. 73, 1997, Teruel et al., pp. 1785-1796. |
| B43 | Manipulation of a single cell with microcapillary tubing based on its electrophoretic mobility, Electrophoresis 1995, Kitagawa et al., pp. 1364-1368 |
| B44 | Focal Adhesions, Contractility, and Signaling, Annual Reviews Inc. 1996, Burridge et al., pp. 463-519. |
| B45 | Regulation of extracellular matrix synthesis by mechanical stress, Biochem. Cell Biol. 74, 1996, Chiquet et al., pp. 737-744. |
| B46 | Tensegrity: The Architectural Basis of Cellular Mechanotransduction, Annual Reviews Inc. 1997, Ingber, pp. 575-599. |
| B47 | Mechanisms of Intraocular Photodisruption with Picosecond and Nanosecond Laser Pulses, Lasers in Surgery and Medicine 1994, Vogel et al., pp. 32-43 |
| B48 | The Interaction of a single laser-generated cavity in water with a solid surface, 1996 Acoustical Society of America, Shaw et al., pp. 2811-2823. |
| B49 | Shock wave emission and cavitation bubble generation by picosecond and nanosecond optical breakdown in water, 1996 Acoustical Society of Am. Vogel, pp. 148-165. |
| B50 | Alteration of cell membrane by stress waves In Vitro, Ultrasound in Med. & Biol., vol. 22, No. 9, 1996, Lee et al., pp. 1285-1293. |
| B51 | Stress-Wave-Induced Injury to Retinal Pigment Epithelium Cells In Vitro, Lasers in Surgery and Medicine 1996, Douki et al., pp. 249-259 |
| B52 | Transcellular transport of fluorescein in hepatocyte mono-layers: et al, Proc. Natl. Acad. Sci. USA, vol. 79, Aug. 1982, Barth et al., pp. 4985-4987. |
| B53 | Volumetric Constraints on Injection Size, Practical Capillary Electrophoresis by Weinberger, Jr., pp. 197-200, (1993). |
| B54 | Direct gene transfer into human cultured cells facilitated by laser micropuncture of the cell membrane, Proc. Natl. Acad. Sci. USA, vol. 84 1987, Tao et al pp. 4180-84. |

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B55

Injection of Ultrasmall Samples and Single Molecules into Tapered Capillaries, Anal. Chem. 1997, Chiu et al., pp. 1801-1807.

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